On page 24, line 7, please replace "Serial No. 09/054,707" with --Parthasarathy Appl. '707--.

On page 27, line 23, please replace "Forrest" with --Parthasarathy–.

On page 28, line 21, please replace both occurrences of "Forrest" with --Parthasarathy–.

On page 28, line 31, please replace "Forrest" with --Parthasarathy–.

On page 29, line 2, please replace "Forrest" with --Parthasarathy–.

On page 30, line 21, please replace "Forrest" with --Parthasarathy–.

On page 36, line 9, please replace "Forrest co-pending" with --Parthasarathy–.

On page 42, line 12, please replace "08/876666" with --04/976,666--.

On page 42, line 13, please replace "'876" with --'666--.

On page 42, line 16, please replace "Forrest" with --Parthasarathy–.

On page 42, line 28, please replace "Forrest" with --Parthasarathy–.

On page 45, line 8, please replace "Forrest" with --Parthasarathy–.

In the Claims:

Please cancel claims 1-28 and 36-53.

Please amend the claims as follows:

Sub B2 29. (Amended) An organic photosensitive optoelectronic device comprising:

a substrate having a first major surface and a second major surface;

two transparent metal substitute electrode layers in superposed relationship upon said first major surface of said substrate; and

A3 [The device of claim 1 wherein said at least one photoconductive organic layer is] four photoconductive organic layers, having an inner pair and an outer pair [and said at least two transparent electrode layers is two transparent electrode layers].

In claim 30, line two, please replace, "is" with --consists of-- and "dyes" with --

A

layers--.

In claim 31, line 1, please replace "dyes" with --layers--.

Please add the following claims:

54. (New) The device of claim 29 wherein at least one of the two transparent metal substitute electrode layers consists of a conductive oxide.

55. (New) The device of claim 54 wherein the conductive oxide is selected from the group consisting of indium tin oxide, tin oxide, gallium indium oxide, zinc oxide and zinc indium oxide.

56. (New) The device of claim 29 wherein at least one of the two transparent metal substitute electrode layers consists of a conductive polymer.

57. (New) An organic photosensitive optoelectronic device comprising:

a substrate having a first major surface and a second major surface;

two transparent electrode layers in superposed relationship upon said first major surface of said substrate; and

a pair of photoconductive organic layers selected to form a photovoltaic heterojunction disposed between said two electrode layers,

wherein the pair of photoconductive organic layers is selected from the group consisting of a copper phthalocyanine layer with a perylenetetracarboxylic dianhydride layer, and a copper phthalocyanine layer with a 3,4,9,10-perylenetetracarboxylic-bis-benzimidazole layer.

58. (New) The device of claim 57 wherein the pair of photoconductive organic layers consists of a copper phthalocyanine layer with a perylenetetracarboxylic dianhydride layer.

59. (New) The device of claim 57 wherein the pair of photoconductive organic layers consists of a copper phthalocyanine layer with a 3,4,9,10-perylenetetracarboxylic-bis-

benzimidazole layer.

60. (New) The device of claim 57 wherein said transparent electrode layers consist of a conductive oxide.

61. (New) The device of claim 60 wherein said conductive oxide is selected from the group consisting of indium tin oxide, tin oxide, gallium indium oxide, zinc oxide and zinc indium oxide.

62. (New) The device of claim 61 wherein said transparent electrode layers consist of a conductive polymer.

63. (New) The device of claim 62 wherein said conductive polymer consists of polyaniline.